

Title (en)

CONJUGATED DIENE RUBBER GEL, RUBBER COMPOSITIONS CONTAINING THE SAME AND PROCESS FOR PRODUCTION OF CONJUGATED DIENE RUBBER

Title (de)

KONJUGIERTES DIENKAUTSCHUKGEL, KAUTSCHUKZUSAMMENSETZUNGEN DIE DIESES ENTHALTEN UND VERFAHREN ZUR HERSTELLUNG VON KONJUGIERTEM DIENKAUTSCHUK

Title (fr)

GEL DE CAOUTCHOUC DE DIENE CONJUGUE, COMPOSITIONS DE CAOUTCHOUC CONTENANT CE DERNIER ET PROCEDE DE PRODUCTION DE CAOUTCHOUC DE DIENE CONJUGUE

Publication

**EP 1291369 B1 20060329 (EN)**

Application

**EP 01936888 A 20010607**

Priority

- JP 0104797 W 20010607
- JP 2000171336 A 20000607
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Abstract (en)

[origin: EP1291369A1] A conjugated diene rubber gel comprising 80 - 99 weight % of conjugated diene monomer units and 20 - 1 weight % of aromatic vinyl monomer units and having a swelling index of 16 to 70 as measured in toluene. A rubber vulcanizate made from a rubber composition comprising this conjugated diene rubber gel and a rubber capable of being crosslinked with sulfur exhibits good abrasion resistance and low heat-build up without deterioration of mechanical properties, and thus, is suitable for tire materials. This conjugated diene rubber gel can be produced with high efficiency by emulsion-polymerization of a monomer mixture comprising 50 - 99.9 weight % of a conjugated diene monomer, 0 - 30 weight % of an aromatic vinyl monomer, 0 - 20 weight % of other ethylenically unsaturated monomer and 0.1 - 20 weight % of a crosslinking monomer

IPC 8 full level

**C08F 236/10** (2006.01); **C08F 2/22** (2006.01); **C08L 7/00** (2006.01); **C08L 9/06** (2006.01)

CPC (source: EP US)

**C08F 236/10** (2013.01 - EP US); **C08L 7/00** (2013.01 - EP US); **C08L 9/06** (2013.01 - EP US); **C08L 9/08** (2013.01 - EP US); **C08L 9/00** (2013.01 - EP US); **C08L 67/06** (2013.01 - EP US)

Cited by

WO2018138183A1; EP1719798A4; US7919558B2; EP3354702A1; WO2018138181A1; EP3354481A1; EP3354703A1; WO2018138179A1; EP3124508A1; US10815364B2; EP2186651A1; DE102008056975A1; EP3354704A1; WO2018138182A1; DE102007020451A1; US8084547B2

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